



PATENT
6057-29601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Peter Geiger
Patent Number: 7,047,382
Issue Date of Patent: 05-16-2006
Application Number: 09/915,751
Filing or 371 (c) Date: 07-26-2001

Title of Invention: System and method
for managing compression and
decompression of system memory in a
computer system

Atty. Dkt. No: 6057-29601

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

B. Noël Kivlin

Printed Name

Signature

Date

**TRANSMITTAL OF POWER OF ATTORNEY AND
NOTICE OF CHANGE OF ADDRESS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find attached a Power of Attorney with regard to the above-identified patent application. Applicant respectfully requests the Commissioner to change the correspondence address for the above identified patent application. The old correspondence address was:

Winstead Sechrest & Minick PC
P O Box 50784
5400 Renaissance Tower
Dallas TX 75250-0784

The new correspondence address is:

B. Noël Kivlin
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.
P.O. Box 398
Austin, Texas 78767-0398
(512) 853-8840
Customer ID #35690

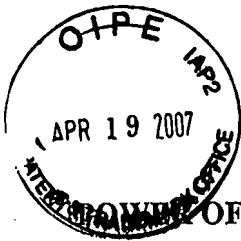
If there are any questions regarding this matter, please contact me at the telephone number provided below.

Respectfully submitted,



B. Noël Kivlin
Reg. No. 33,929
ATTORNEY FOR APPLICANTS

Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.
P.O. Box 398
Austin, TX 78767-0398
(512) 853-8800
Date: 4-16-07



POWER OF ATTORNEY; STATEMENT UNDER 37 C.F.R. § 3.73

Mossman Holdings LLC ("Assignee"), a Delaware limited liability company, located at 2711 Centerville Road, Suite 400, Wilmington, DE 19808, states that it is the assignee of the entire right, title, and interest in and to the patents and patent applications identified in the Appendix ("the Patent Properties"). Assignee has attached, for each of the Patent Properties, documentary evidence of the chain of title and/or information specifying where documentary evidence of a chain of title from the original owner to the Assignee is recorded in the assignment records of the USPTO. *See Appendix.*

With respect to the Patent Properties, the Assignee, pursuant to 37 C.F.R. §§1.36 and 3.71, hereby revokes all powers of attorney previously given and appoints

the practitioners associated with the **Customer Number 35690**

to act on Assignee's behalf before the United States Patent and Trademark Office. This appointment is effective only so long as these practitioners remain with the firm associated with the Customer Number listed above.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the Patent Properties is to be conducted to the exclusion of the inventor(s).

The undersigned is a representative authorized to act on behalf of the assignee.

Assignee

Mossman Holdings LLC
2711 Centerville Road, Suite 400,
Wilmington, DE 19808

Dated: April 10, 2007

By: 

Name Angie Smith

Title: Authorized Person

APPENDIX

Issued Patents

| Patent Number | Patent Title | Issue Date | Recordation Information |
|---------------|---|------------|---|
| | | | Reel/Frame |
| 5,838,334 | MEMORY AND GRAPHICS CONTROLLER WHICH PERFORMS POINTER-BASED DISPLAY LIST VIDEO REFRESH OPERATIONS | 11/30/95 | Reel/Frame: 009275/0371 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018367/0061 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0474 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 5,995,120 | GRAPHICS SYSTEM INCLUDING A VIRTUAL FRAME BUFFER WHICH STORES VIDEO/PIXEL DATA IN A PLURALITY OF MEMORY AREAS | 02/21/96 | Reel/Frame: 009275/0368 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018350/0778 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0789 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
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| 6,145,069 | PARALLEL DECOMPRESSION AND COMPRESSION SYSTEM AND METHOD FOR IMPROVING STORAGE DENSITY AND ACCESS SPEED FOR NON-VOLATILE MEMORY AND EMBEDDED MEMORY DEVICES | 04/26/99 | Reel/Frame: 009925/0590 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018350/0913 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0924 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |

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|---------------|---|------------|---|
| 6,170,047 | SYSTEM AND METHOD FOR MANAGING SYSTEM MEMORY AND/OR NON-VOLATILE MEMORY USING A MEMORY CONTROLLER WITH INTEGRATED COMPRESSION AND DECOMPRESSION CAPABILITIES | 12/14/99 | Reel/Frame: 009758/0602 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. (From Parent Case) Reel/Frame: 016085/0797 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 016079/0874 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,173,381 | MEMORY CONTROLLER INCLUDING EMBEDDED DATA COMPRESSION AND DECOMPRESSION ENGINES | 08/08/97 | Reel/Frame: 009275/0390 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015541/0842 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015541/0950 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,208,273 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION AND DECOMPRESSION | 10/20/99 | Reel/Frame: 010338/0552 Assignors: DYE, THOMAS A. ; ALVAREZ, MANUEL J. II; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014815/0374 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014815/0371 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,370,631 | MEMORY CONTROLLER INCLUDING EMBEDDED COMPRESSION/ DECOMPRESSION CAPABILITIES FOR IMPROVED DATA ACCESS BETWEEN NON-VOLATILE AND SYSTEM MEMORY | 02/01/99 | Reel/Frame: 009758/0602 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 017240/0851 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 017240/0857 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,518,965 | GRAPHICS SYSTEM AND METHOD FOR RENDERING INDEPENDENT 2-D AND 3-D OBJECTS USING POINTER BASED DISPLAY LIST VIDEO REFRESH OPERATIONS | 10/04/01 | Reel/Frame: 012505/0682 Assignors: DYE, THOMAS A. ; GEIGER, PETER D. ; ALVAREZ II, MANUEL J. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018350/0495 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0506 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,523,102 | PARALLEL COMPRESSION/DECOMPRESSION SYSTEM AND METHOD FOR IMPLEMENTATION OF IN-MEMORY COMPRESSED CACHE IMPROVING STORAGE DENSITY AND ACCESS SPEED FOR INDUSTRY STANDARD MEMORY SUBSYSTEMS AND IN-LINE MEMORY MODULES | 04/14/00 | Reel/Frame: 010730/0424 Assignors: DYE, THOMAS A.; ALVAREZ, II., MANUEL J.; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018350/0511 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0522 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |

| Patent Number | Title | Issue Date | Recordation Information Reel / Frame |
|---------------|--|------------|--|
| 6,567,091 | VIDEO CONTROLLER SYSTEM WITH OBJECT DISPLAY LISTS | 02/28/02 | Reel/Frame: 012664/0001 Assignors: DYE, THOMAS A.; GEIGER, PETER D.; ALVAREZ, MANUEL J. II Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018350/0479 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0490 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,819,271 | PARALLEL COMPRESSION AND DECOMPRESSION SYSTEM AND METHOD HAVING MULTIPLE PARALLEL COMPRESSION AND DECOMPRESSION ENGINES | 01/11/02 | Reel/Frame: 012694/0922 Assignors: GEIGER, PETER D.; ALVAREZ, MANUEL J. II; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014847/0358 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014843/0415 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,822,589 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION | 01/26/00 | Reel/Frame: 010529/0576 Assignors: DYE, THOMAS A.; ALVAREZ, MANUEL J., II; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014818/0266 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014818/0263 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,879,266 | MEMORY MODULE INCLUDING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION AND DECOMPRESSION ENGINES | 07/14/00 | Reel/Frame: 011210/0355 Assignors: DYE, THOMAS A.; ALVAREZ, MANUEL J. II; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014818/0334 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014818/0293 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,885,319 | SYSTEM AND METHOD FOR GENERATING OPTIMALLY COMPRESSED DATA FROM A PLURALITY OF DATA COMPRESSION/DECOMPRESSION ENGINES IMPLEMENTING DIFFERENT DATA COMPRESSION ALGORITHMS | 01/11/02 | Reel/Frame: 012704/0236 Assignors: GEIGER, PETER D.; ALVAREZ, II, MANUEL J.; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014890/0209 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014890/0510 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,032,158 | SYSTEM AND METHOD FOR RECOGNIZING AND CONFIGURING DEVICES EMBEDDED ON MEMORY MODULES | 04/23/01 | Reel/Frame: 011755/0793 Assignors: ALVAREZ II, MANUEL J.; DYE, THOMAS A.; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015508/0012 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015510/0512 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |

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|---|---|------------|--|
| | | | Reel/Frame |
| 7,047,382 | SYSTEM AND METHOD FOR MANAGING COMPRESSION AND DECOMPRESSION OF SYSTEM MEMORY IN A COMPUTER SYSTEM | 07/26/01 | Reel/Frame: 012493/0726 Assignors: GEIGER, PETER; ALVAREZ II, MANUEL J.; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014996/0376 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014995/0318 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,089,391 | MANAGING A CODEC ENGINE FOR MEMORY COMPRESSION / DECOMPRESSION OPERATIONS USING A DATA MOVEMENT ENGINE | 08/23/02 | Reel/Frame: 013549/0532 Assignors: GEIGER, PETER D.; ALVAREZ, II, MANUEL J.; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015528/0958 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015561/0073 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,129,860 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION | 03/28/01 | Reel/Frame: 011954/0206 Assignors: ALVAREZ, MANUEL J. II; GEIGER, PETER; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015531/0429 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015531/0461 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,190,284 (Was Application Number 09/239,659) | SELECTIVE LOSSLESS, LOSSY, OR NO COMPRESSION OF DATA BASED ON ADDRESS RANGE, DATA TYPE, AND/OR REQUESTING AGENT | 01/29/99 | Reel/Frame: 009742/0780 Assignors: DYE, THOMAS A.; ALVAREZ, MANUEL J. II; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015318/0332 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015318/0341 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |

Pending Applications

| Application Number | Title | Filing Date | Recordation Information |
|--------------------|--|-------------|---|
| | | | Reel / Frame |
| 10/205,590 | NETWORK DEVICE WITH IMPROVED STORAGE DENSITY AND ACCESS SPEED USING COMPRESSION TECHNIQUES | 07/25/02 | Reel/Frame: 013549/0516 Assignors: GEIGER, PETER D.; ALVAREZ, MANUEL J. II; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015531/0443 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015531/0440 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 09/963,090 | MEMORY CONTROLLER INCLUDING A HARDWARE COMPRESSION AND DECOMPRESSION ENGINE FOR MANAGING SYSTEM MEMORY | 09/25/01 | Reel/Frame: 012209/0927 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015690/0179 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015690/0120 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 11/152363 | ADAPTIVE INPUT / OUTPUT COMPRESSED SYSTEM AND DATA CACHE AND SYSTEM USING SAME | 06/14/05 | Reel/Frame: 016693/0917 Assignor: KELLAR, JOHN E. Assignee: QUICKSHIFT, INC. |



POWER OF ATTORNEY; STATEMENT UNDER 37 C.F.R. § 3.73

Mossman Holdings LLC ("Assignee"), a Delaware limited liability company, located at 2711 Centerville Road, Suite 400, Wilmington, DE 19808, states that it is the assignee of the entire right, title, and interest in and to the patents and patent applications identified in the Appendix ("the Patent Properties"). Assignee has attached, for each of the Patent Properties, documentary evidence of the chain of title and/or information specifying where documentary evidence of a chain of title from the original owner to the Assignee is recorded in the assignment records of the USPTO. *See Appendix.*

With respect to the Patent Properties, the Assignee, pursuant to 37 C.F.R. §§1.36 and 3.71, hereby revokes all powers of attorney previously given and appoints

the practitioners associated with the **Customer Number 35690**

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The undersigned is a representative authorized to act on behalf of the assignee.

Assignee

Mossman Holdings LLC
2711 Centerville Road, Suite 400,
Wilmington, DE 19808

Dated: April 10, 2007

By: Angie Smith

Name Angie Smith

Title: Authorized Person

APPENDIX

Issued Patents

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| 5,838,334 | MEMORY AND GRAPHICS CONTROLLER WHICH PERFORMS POINTER-BASED DISPLAY LIST VIDEO REFRESH OPERATIONS | 11/30/95 | Reel/Frame: 009275/0371 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018367/0061 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0474 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
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| Patent Number | Title | Issue Date | Recordation Information Reel / Frame |
|---------------|--|------------|--|
| 6,567,091 | VIDEO CONTROLLER SYSTEM WITH OBJECT DISPLAY LISTS | 02/28/02 | Reel/Frame: 012664/0001 Assignors: DYE, THOMAS A.; GEIGER, PETER D.; ALVAREZ, MANUEL J. II Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 018350/0479 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 018350/0490 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,819,271 | PARALLEL COMPRESSION AND DECOMPRESSION SYSTEM AND METHOD HAVING MULTIPLE PARALLEL COMPRESSION AND DECOMPRESSION ENGINES | 01/11/02 | Reel/Frame: 012694/0922 Assignors: GEIGER, PETER D.; ALVAREZ, MANUEL J. II; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014847/0358 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014843/0415 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,822,589 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION | 01/26/00 | Reel/Frame: 010529/0576 Assignors: DYE, THOMAS A.; ALVAREZ, MANUEL J. II; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014818/0266 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014818/0263 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,879,266 | MEMORY MODULE INCLUDING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION AND DECOMPRESSION ENGINES | 07/14/00 | Reel/Frame: 011210/0355 Assignors: DYE, THOMAS A.; ALVAREZ, MANUEL J. II; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014818/0334 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014818/0293 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 6,885,319 | SYSTEM AND METHOD FOR GENERATING OPTIMALLY COMPRESSED DATA FROM A PLURALITY OF DATA COMPRESSION/DECOMPRESSION ENGINES IMPLEMENTING DIFFERENT DATA COMPRESSION ALGORITHMS | 01/11/02 | Reel/Frame: 012704/0236 Assignors: GEIGER, PETER D.; ALVAREZ, II, MANUEL J.; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014890/0209 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014890/0510 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,032,158 | SYSTEM AND METHOD FOR RECOGNIZING AND CONFIGURING DEVICES EMBEDDED ON MEMORY MODULES | 04/23/01 | Reel/Frame: 011755/0793 Assignors: ALVAREZ II, MANUEL J.; DYE, THOMAS A.; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015508/0012 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015510/0512 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |

| Patent Number | Title | Issue Date | Recordation Information |
|---|---|------------|--|
| | | | Reel/Frame |
| 7,047,382 | SYSTEM AND METHOD FOR MANAGING COMPRESSION AND DECOMPRESSION OF SYSTEM MEMORY IN A COMPUTER SYSTEM | 07/26/01 | Reel/Frame: 012493/0726 Assignors: GEIGER, PETER; ALVAREZ II, MANUEL J.; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 014996/0376 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 014995/0318 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,089,391 | MANAGING A CODEC ENGINE FOR MEMORY COMPRESSION / DECOMPRESSION OPERATIONS USING A DATA MOVEMENT ENGINE | 08/23/02 | Reel/Frame: 013549/0532 Assignors: GEIGER, PETER D.; ALVAREZ, II, MANUEL J.; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015528/0958 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015561/0073 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,129,860 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION | 03/28/01 | Reel/Frame: 011954/0206 Assignors: ALVAREZ, MANUEL J. II; GEIGER, PETER; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015531/0429 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015531/0461 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 7,190,284 (Was Application Number 09/239,659) | SELECTIVE LOSSLESS, LOSSY, OR NO COMPRESSION OF DATA BASED ON ADDRESS RANGE, DATA TYPE, AND/OR REQUESTING AGENT | 01/29/99 | Reel/Frame: 009742/0780 Assignors: DYE, THOMAS A.; ALVAREZ, MANUEL J. II; GEIGER, PETER Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015318/0332 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015318/0341 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |

Pending Applications

| Application Number | Title | Filing Date | Recordation Information |
|--------------------|--|-------------|---|
| | | | Reel / Frame |
| 10/205,590 | NETWORK DEVICE WITH IMPROVED STORAGE DENSITY AND ACCESS SPEED USING COMPRESSION TECHNIQUES | 07/25/02 | Reel/Frame: 013549/0516 Assignors: GEIGER, PETER D.; ALVAREZ, MANUEL J. II; DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015531/0443 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015531/0440 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 09/963,090 | MEMORY CONTROLLER INCLUDING A HARDWARE COMPRESSION AND DECOMPRESSION ENGINE FOR MANAGING SYSTEM MEMORY | 09/25/01 | Reel/Frame: 012209/0927 Assignor: DYE, THOMAS A. Assignee: INTERACTIVE SILICON, INC. Reel/Frame: 015690/0179 Assignor: INTERACTIVE SILICON, INC. Assignee: AUSTIN IP ACQUISITION CORPORATION Reel/Frame: 015690/0120 Assignor: AUSTIN IP ACQUISITION CORPORATION Assignee: QUICKSHIFT, INC. |
| 11/152363 | ADAPTIVE INPUT / OUTPUT COMPRESSED SYSTEM AND DATA CACHE AND SYSTEM USING SAME | 06/14/05 | Reel/Frame: 016693/0917 Assignor: KELLAR, JOHN E. Assignee: QUICKSHIFT, INC. |

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Quickshift, Inc., a Delaware corporation with an office at c/o Bridgepoint Consulting L.L.C., 6300 Bridgepoint Parkway, Building One, Suite 575, Austin, Texas 78730, ("**Assignor**"), does hereby sell, assign, transfer, and convey unto Mossman Holdings LLC, a Delaware limited liability company, with an office at 2711 Centerville Road, Suite 400 Wilmington, DE 19808 limited liability company ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

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- (i) damages,
- (ii) injunctive relief, and
- (iii) any other remedies of any kind

for past, current, and future infringement; and

- (i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

| <u>Patent or Application No.</u> | <u>Country</u> | <u>Filing Date</u> | <u>Title of Patent and First Named Inventor</u> |
|----------------------------------|----------------|--------------------|--|
| 6,002,411 | US | 11/16/1994 | INTEGRATED VIDEO AND MEMORY CONTROLLER WITH DATA PROCESSING AND GRAPHICAL PROCESSING CAPABILITIES Dye, Thomas Anthony |
| 5,838,334 | US | 11/30/1995 | MEMORY AND GRAPHICS CONTROLLER WHICH PERFORMS POINTER-BASED DISPLAY LIST VIDEO REFRESH OPERATIONS Dye, Thomas Anthony |
| 5,995,120 | US | 02/21/1996 | GRAPHICS SYSTEM INCLUDING A VIRTUAL FRAME BUFFER WHICH STORES VIDEO/PIXEL DATA IN A PLURALITY OF MEMORY AREAS Dye, Thomas Anthony |
| 6,108,014 | US | 12/19/1996 | SYSTEM AND METHOD FOR SIMULTANEOUSLY DISPLAYING A PLURALITY OF VIDEO DATA OBJECTS HAVING DIFFERENT BIT PER PIXEL |

| <u>Patent or Application No.</u> | <u>Country</u> | <u>Filing Date</u> | <u>Title of Patent and First Named Inventor</u> |
|----------------------------------|----------------|--------------------|---|
| | | | FORMATS Dye, Thomas Anthony |
| 6,173,381 | US | 08/08/1997 | MEMORY CONTROLLER INCLUDING EMBEDDED DATA COMPRESSION AND DECOMPRESSION ENGINES Dye, Thomas Anthony |
| 6,067,098 | US | 04/06/1998 | VIDEO/GRAPHICS CONTROLLER WHICH PERFORMS POINTER-BASED DISPLAY LIST VIDEO REFRESH OPERATION Dye, Thomas Anthony |
| 09/239,659 | US | 01/29/1999 | SELECTIVE LOSSLESS, LOSSY, OR NO COMPRESSION OF DATA BASED ON ADDRESS RANGE, DATA TYPE, AND/OR REQUESTING AGENT Dye, Thomas Anthony |
| 6,370,631 | US | 02/01/1999 | MEMORY CONTROLLER INCLUDING EMBEDDED COMPRESSION/ DECOMPRESSION CAPABILITIES FOR IMPROVED DATA ACCESS BETWEEN NON-VOLATILE AND SYSTEM MEMORY Dye, Thomas Anthony |
| 6,145,069 | US | 04/26/1999 | PARALLEL DECOMPRESSION AND COMPRESSION SYSTEM AND METHOD FOR IMPROVING STORAGE DENSITY AND ACCESS SPEED FOR NON-VOLATILE MEMORY AND EMBEDDED MEMORY DEVICES |

| <u>Patent or Application No.</u> | <u>Country</u> | <u>Filing Date</u> | <u>Title of Patent and First Named Inventor</u> |
|---|-----------------------|---------------------------|---|
| | | | Dye, Thomas Anthony |
| 6,208,273 | US | 10/20/1999 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION AND DECOMPRESSION Dye, Thomas Anthony |
| 6,170,047 | US | 12/14/1999 | SYSTEM AND METHOD FOR MANAGING SYSTEM MEMORY AND/OR NON-VOLATILE MEMORY USING A MEMORY CONTROLLER WITH INTEGRATED COMPRESSION AND DECOMPRESSION CAPABILITIES Dye, Thomas Anthony |
| 6,822,589 | US | 01/26/2000 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION Dye, Thomas Anthony |
| 1 157 470 | GB | 01/27/2000 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION Dye, Thomas Anthony |
| 1 157 470 | IE | 01/27/2000 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION Dye, Thomas Anthony |
| 1 157 470 | LU | 01/27/2000 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION |

| Patent or Application No. | Country | Filing Date | <u>Title of Patent and First Named Inventor</u> |
|----------------------------------|----------------|--------------------|---|
| | | | Dye, Thomas Anthony |
| 6,879,266 | US | 07/14/2000 | MEMORY MODULE INCLUDING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION AND DECOMPRESSION ENGINES Dye, Thomas Anthony |
| 09/821,785 7,129,860 | US | 03/28/2001 | SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION Alvarez, Manuel J. |
| 09/963,090 | US | 09/25/2001 | MEMORY CONTROLLER INCLUDING A HARDWARE COMPRESSION AND DECOMPRESSION ENGINE FOR MANAGING SYSTEM MEMORY Dye, Thomas Anthony |
| 6,819,271 | US | 01/11/2002 | PARALLEL COMPRESSION AND DECOMPRESSION SYSTEM AND METHOD HAVING MULTIPLE PARALLEL COMPRESSION AND DECOMPRESSION ENGINES Geiger, Peter D. |
| 6,885,319 | US | 01/11/2002 | SYSTEM AND METHOD FOR GENERATING OPTIMALLY COMPRESSED DATA FROM A PLURALITY OF DATA COMPRESSION/DECOMPRESSION ENGINES IMPLEMENTING DIFFERENT DATA COMPRESSION ALGORITHMS |

| <u>Patent or Application No.</u> | <u>Country</u> | <u>Filing Date</u> | <u>Title of Patent and First Named Inventor</u> |
|---|-----------------------|---------------------------|--|
| | | | Geiger, Peter D. |
| 6,518,965 | US | 10/04/2001 | GRAPHICS SYSTEM AND METHOD FOR RENDERING INDEPENDENT 2D AND 3D OBJECTS USING POINTER BASED DISPLAY LIST VIDEO REFRESH OPERATIONS DYE, THOMAS ANTHONY |
| 6,523,102 | US | 04/14/2000 | PARALLEL COMPRESSION/DECOMPRESSION SYSTEM AND METHOD FOR IMPLEMENTATION OF IN-MEMORY COMPRESSED CACHE IMPROVING STORAGE DENSITY AND ACCESS SPEED FOR INDUSTRY STANDARD MEMORY SUBSYSTEMS AND IN-LINE MEMORY MODULES Dye, Thomas Anthony |
| 6,567,091 | US | 02/28/2002 | VIDEO CONTROLLER SYSTEM WITH OBJECT DISPLAY LISTS Dye, Thomas Anthony |
| 7,032,158 | US | 04/23/2001 | SYSTEM AND METHOD FOR RECOGNIZING AND CONFIGURING DEVICES EMBEDDED ON MEMORY MODULES Alvarez, Manuel J. |
| 7,047,382 | US | 07/26/2001 | SYSTEM AND METHOD FOR MANAGING COMPRESSION AND DECOMPRESSION AND DECOMPRESSION OF SYSTEM MEMORY IN A COMPUTER SYSTEM Geiger, Peter D. |

| <u>Patent or Application No.</u> | <u>Country</u> | <u>Filing Date</u> | <u>Title of Patent and First Named Inventor</u> |
|---|-----------------------|---------------------------|---|
| 7,089,391 | US | 08/23/2002 | MANAGING A CODEC ENGINE FOR MEMORY COMPRESSION / DECOMPRESSION OPERATIONS USING A DATA MOVEMENT ENGINE Geiger, Peter D. |
| 10/205,590 | US | 07/25/02 | PARALLEL COMPRESSION METHOD FOR IMPROVING NETWORK PROCESSING BY IMPROVING STORAGE DENSITY AND ACCESS SPEED WITHIN NETWORK DATA PROCESSING SWITCHES Geiger, Peter |
| 11/152,363 | US | 06/14/05 | ADAPTIVE INPUT/OUTPUT COMPRESSED SYSTEM AND DATA CACHE AND SYSTEM USING SAME Kellar, John |
| JP12-596668T | JP | 01/27/2000 | Dye, Thomas Anthony |

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no international, federal, state, or administrative actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts,

agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefor, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Such assistance will include providing, and obtaining from the respective inventors, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers, and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights. With prior written approval by Assignee, Assignee will pay Assignor's reasonable costs and expenses.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

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IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Austin, TX
on March 20, 2007.

ASSIGNOR:

Quickshift, Inc.

By: [Signature]
Name: Daniel Keelan
Title: CEO
(Signature MUST be notarized)

STATE OF Texas)
COUNTY OF Travis) ss.

On March 20, 2007, before me, Tara Thomas
Notary Public in and for said State, personally appeared Daniel Keelan,
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person whose name is subscribed to the within instrument and acknowledged to me that
he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the
instrument.

WITNESS my hand and official seal.

Signature Tara Thomas

(Seal)

